



992 OLD EAGLE SCHOOL ROAD
SUITE 916
WAYNE, PENNSYLVANIA 19087
(215) 687-9510

June 17, 1983
R-585-3-3-8
68-01-6699

Ms. L.Y. Boornazian
U.S. Environmental Protection Agency
Sixth and Walnut Streets
Philadelphia, PA 19106

Subject: Final Report
TDD No. F3-8212-37
East Richmond Landfill
Richmond, VA

Dear Ms. Boornazian:

In accordance with TDD No. F3-8212-37, a preliminary assessment was conducted at the East Richmond Road Landfill, Richmond, VA on January 27, 1983.

The site investigation was coordinated with the Virginia State Department of Health. Prior to visiting the landfill, available information was reviewed and input received from state personnel.

Based on the on-site investigation and background review of East Richmond Road Landfill, NUS FIT III submits the following for EPA's consideration:

- o A sampling program be developed for this site which will include a priority pollutant scan. If possible, it would be advantageous to collect samples prior to the completion of a current modifications project designed to upgrade the site and mitigate the present leachate problem. Samples taken prior to project completion may be used as baseline information to evaluate the effectiveness of the leachate collection system. Analyses of samples taken thus far have not included a priority pollutant scan.
- o Investigate further the reports, as indicated in Mr. Sarver's June 8, 1981 letter, that, according to hearsay, some people in the area have disposed of hazardous waste at the site.

It is also recommended that this site be classified as a low priority.

Should you have any questions concerning these recommendations, please feel free to contact me.

Respectfully submitted,

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TDD Number F3-8305-38A
 EPA Number VA-124

**SAMPLE DATA SUMMARY
 TARGET COMPOUNDS**

☒ Organic ☐ Inorganic

Site Name East Richmond Road Lef
 Date of Sample 6/8/83

ORIGINAL
 (Red)

				Compounds Detected																
Sample Number	Sample Description and Location	Phase	Units	BIS (2-ETHYLHEXYL) PHTHALATE	DI-N-BUTYL PHTHALATE	NAPHTHALENE	CHLOROBENZENE	BUTYL BENZYL PHTHALATE	DICHLOROETHANE 1,1-	TRIMETHYLBENZENE	DICHLOROETHYLENE	TRICHLOROETHYLENE	DIBENZYL PHTHALATE	ANTHRACENE	ETHYLBENZENE	VINYL CHLORIDE	DIETHYL PHTHALATE	BENZENE	Remarks	
C3232	Well #1	Aq	mg/L	0.064	0.006	0.001	<0.01													
C3233	Well #2	Aq	mg/L	0.020	<0.010															
C3234	Well #3	Aq	mg/L	0.013	0.001			0.001	<0.01	0.03	<0.01									
C3235	Well #5	Aq	mg/L	0.033																
C3236	Well #6	Aq	mg/L	0.029	<0.01			<0.01	0.03			<0.01	0.04	<0.01						
C3237	Well #7	Aq	mg/L	0.032	<0.01											<0.01				
C3238	Well #8	Aq	mg/L	0.019	<0.009			<0.009										<0.01		
C3240	Well #10	Aq	mg/L	0.022	<0.01															
C3241	Pounded Water	Aq	mg/L	0.046	<0.01															
C3242	Blank	Aq	mg/L	0.019	<0.01			<0.01												
C3244	Leachate #1	Sed.	mg/Kg	1.9	0.163			0.22				<0.01	<0.01			0.068	0.01			
C3245	Leachate #2	Sed.	mg/Kg	1.7		0.11						0.013								
C3246	Blank Solid	Sed.	mg/Kg								<0.01		<0.01			0.067	0.03			

NOTE: For a review of this data and non-target, tentatively identified compounds, please see the Analytical Quality Assurance section of this report.

◇ Denotes results of questionable qualitative significance based upon quality assurance review of data.

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 EPA Number VA-124

SAMPLE DATA SUMMARY
TARGET COMPOUNDS

☒ Organic ☐ Inorganic

Site Name East Richmond Road
 Date of Sample 6/8/83

ORIGINAL
(Red)

Sample Number	Sample Description and Location	Phase	Units	Compounds Detected													Remarks
				TETRACHLOROETHENE	CHLOROFORM	PHENOL	PENTACHLOROPHENOL	ACENAPHTHENE	ACENAPHTHYLENE	ANTHRACENE	BENZ(A)ANTHRACENE	BENZ(A)PYRENE	BENZ(B)FLUORANTHENE	BENZ(K)FLUORANTHENE	BENZ(G,H,I)PERYLENE	CHRYSENE	
C3240	Well #10	Aq	mg/L	<0.01													
C3242	Blank	Aq	mg/L	<0.01													
C3244	Leachate #1	Sed.	mg/Kg	0.01		1.1	0.15	0.029	0.079	0.076	1.039	<0.01	0.25	0.504	0.041	0.31	
C3245	Leachate #2	Sed.	mg/Kg							15	2.6	0.048	0.28	1.0	0.067	0.70	
C3246	Blank Solid	Sed.	mg/Kg	<0.01													

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TDD Number F3-8305-38A
 EPA Number VA-124

SAMPLE DATA SUMMARY
TARGET COMPOUNDS

☒ Organic ☐ Inorganic

Site Name East Richmond Field L.F.
 Date of Sample 6/2/83

ORIGINAL
(Red)

Sample Number	Sample Description and Location	Phase	Units	Compounds Detected													Remarks
				DICHLOROBENZENE 1,2	DICHLOROBENZENE 1,4	DIOCTYL PHTHALATE	FLUORANTHENE	INDENO (1,2,3-CD) PYRENE	PHENANTHRENE	PYRENE	NITROBENZENE	TOLUENE	N-NITROSDIMETHYLAMINE	4,4'-DDE	HEPTACHLOR		
C3244	Leachate #1	Sed.	Mg/Kg	0.021	0.029	0.482	0.57	0.033	0.242	0.55	0.242	<0.01					
C3245	Leachate #2	Sed.	Mg/Kg				77	0.058	50	75			0.035				
C3246	Blank Solid	Sed.	Mg/Kg									0.01		0.0020	<0.0020		

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